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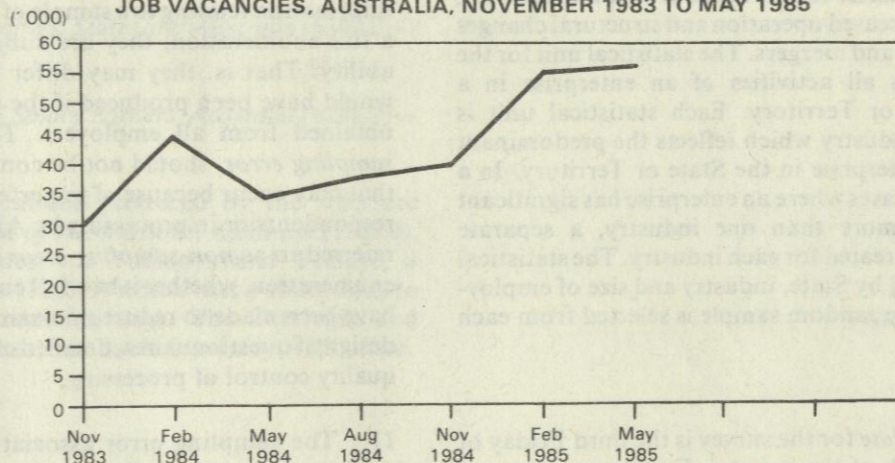
## JOB VACANCIES, AUSTRALIA, MAY 1985

PHONE INQUIRIES	<i>for more information about these statistics</i> —contact Mr Peter Harper on Canberra (062) 52 6577 or any of our State offices. <i>other inquiries including copies of publications</i> —contact Information Services on Canberra (062) 52 6627 or in any of our State offices.
MAIL INQUIRIES	<i>write to</i> Information Services, ABS, P.O. Box 10, Belconnen, A.C.T. 2616 or any of our State offices.

### MAIN FEATURES

**NOTE:** *The results of the job vacancy surveys conducted since November 1983 are not strictly comparable with those of previous surveys. See paragraph 3 below.*

JOB VACANCIES, AUSTRALIA, NOVEMBER 1983 TO MAY 1985



Between February 1985 and May 1985 the estimated number of job vacancies in Australia increased from 55,000 to 56,600. Since May 1984 the estimated number of job vacancies in Australia increased by 21,800.

There were approximately 11 vacancies per 1,000 jobs in May 1985 which is an increase of about 1 vacancy per 1,000 jobs since February 1985.

The percentage of vacancies measured by the survey as being registered with the Commonwealth Employment Service was 30.5 per cent in May 1985.

### EXPLANATORY NOTES

#### Introduction

1. This publication contains results of a new sample survey introduced in November 1983. The survey, which is conducted by telephone, obtains information from employers on the number of job vacancies as at the third Friday of the middle month of the calendar quarter.

2. To assist in assessing the extent to which vacancies are registered with the Commonwealth Employment Service (CES), respondents in the May 1984 and 1985 surveys were asked the number of their job vacancies that were registered as at the survey date. The question was

asked only of respondents who reported current vacancies. The information enabled estimates to be made of the proportion of vacancies within the scope of the survey that were registered with the CES.

3. Estimates contained in this publication are not strictly comparable with those obtained prior to November 1983. Background information about the job vacancies series is provided in *Information Paper: New Statistical Series: Employment, Average Weekly Earnings, Job Vacancies and Overtime* (6526.0) issued on 21 June 1984.

### Scope of the survey

4. All vacancies (as defined in paragraph 7) for wage and salary earners are represented in the survey, except those:

- (a) in the Australian permanent defence forces;
- (b) in enterprises primarily engaged in agriculture, forestry, fishing and hunting;
- (c) in private households employing staff;
- (d) in overseas embassies, consulates, etc.;
- (e) located outside Australia.

### Survey design

5. A sample of approximately 4,300 employers is selected from the ABS register of businesses to ensure adequate State and industry representation. The sample is updated each quarter to take account of new businesses, those which have ceased operation and structural changes such as takeovers and mergers. The statistical unit for the survey comprises all activities of an enterprise in a particular State or Territory. Each statistical unit is classified to an industry which reflects the predominant activity of the enterprise in the State or Territory. In a small number of cases where an enterprise has significant employment in more than one industry, a separate statistical unit is created for each industry. The statistical units are stratified by State, industry and size of employment and a simple random sample is selected from each stratum.

### Definitions

6. *Reference date* for the survey is the third Friday of the middle month of the quarter. For the most recent survey this was 17 May 1985.

7. A *job vacancy* is a job available for immediate filling on the survey date and for which recruitment action had been taken by the employer. Recruitment action includes efforts to fill vacancies by advertising, by factory notices, by notifying government or private employment agencies or trade unions and by contacting, interviewing or selecting applicants already registered with the enterprise or organisation. Excluded are jobs available only to existing employees of the organisation. In this context the Australian Public Service and the Public Services of each of the States and the Northern Territory are treated as 'organisations'. Also excluded are vacancies:

- (a) to be filled by persons already hired or by promotion or transfer of existing employees;
- (b) to be filled by employees returning from paid or unpaid leave or after industrial disputes;
- (c) not available for immediate filling on the survey date;

(d) not available within the particular State or Territory to which the return relates;

(e) for work carried out under contract;

(f) for which no effort is being made to fill the position.

8. The *job vacancy rate* is calculated by expressing the number of job vacancies as a percentage of the number of employees plus vacancies.

9. For the purposes of this survey, *vacancies registered with the CES* are vacancies which employers considered were registered on or before the survey date and which in their opinion had not lapsed prior to the survey date.

### Reliability of estimates

10. As the estimates in this publication are based on information relating to a sample of employers rather than a full enumeration, they are subject to sampling variability. That is, they may differ from the figures that would have been produced if the information had been obtained from all employers. This difference, called *sampling error*, should not be confused with inaccuracy that may occur because of imperfections in reporting by respondents or in processing by ABS; such inaccuracy is referred to as *non-sampling error* and may occur in any enumeration, whether it be a full count or sample. Efforts have been made to reduce non-sampling error by careful design of questionnaires, detailed checking of returns and quality control of processing.

11. The sampling error associated with any estimate can be estimated from the sample results. One measure of sampling error is given by the *standard error* which indicates the degree to which an estimate may vary from the value that would have been obtained from a full enumeration (the 'true' figure). There are about two chances in three that a sample estimate differs from the true value by less than one standard error, and about nineteen chances in twenty that the difference will be less than two standard errors.

12. If the standard error of an estimate is large relative to the size of the estimate, this detracts seriously from the usefulness of that estimate. The *relative standard error* (or SE%) is obtained by expressing the standard error as a percentage of the estimate and provides an alternative expression for the accuracy of an estimate.

13. An example of the use of standard error for the job vacancy estimates is as follows. Table 1 shows the estimated number of job vacancies for Australia at 17 May 1985 as being 56,600, with a standard error of 3,700. Therefore there are about two chances in three that a full enumeration would have given a figure in the range 52,900 to 60,300 and about nineteen chances in twenty that it would be in the range 49,200 to 64,000.



### Industry classification

14. Industry is classified according to the *Australian Standard Industrial Classification (ASIC) 1983 Edition, Volume 1-The Classification* (1201.0).

### Seasonal factors

15. Job vacancy figures at different dates may be affected by seasonal influences. Publication of seasonally adjusted figures will not be possible until results of the surveys for several years are available.

### Related publications

16. Users may also wish to refer to the following publications which are available on request:

*Information Paper: New Statistical Series: Employment, Average Weekly Earnings, Job Vacancies and Overtime* (6256.0)

*Overtime, Australia* (6330.0)—issued quarterly

*Average Weekly Earnings, States and Australia* (6302.0)—issued quarterly

*Employed Wage and Salary Earners, Australia* (6248.0)—issued quarterly.

17. Current publications produced by the ABS are listed in the *Catalogue of Publications, Australia* (1101.0). The ABS also issues, on Tuesdays and Fridays, a *Publications Advice* (1105.0) which lists publications to be released in the next few days. The Catalogue and Publications Advice are available from any ABS office.

### Unpublished statistics

18. In some cases, the ABS can also make available information which is not published. This information may be made available in one or more of the following forms: microfiche, photocopy, data tape, computer print-out or clerically-extracted tabulation. Generally, a charge is made for providing unpublished information. Inquiries should be made to the officer whose name appears in the *Phone Inquiries* section of the Inquiries box at the front of this publication, or to Information Services in the nearest ABS Office.

### Symbols and other usages

- nil or rounded to zero
- \* subject to sampling variability too high for most practical purposes

19. Where figures have been rounded, discrepancies may occur between sums of the component items and totals.

**R.J. CAMERON**  
Australian Statistician

TABLE 1. JOB VACANCIES AND JOB VACANCY RATES(a)

Survey date	Number of vacancies (' 000)			Job vacancy rate(a) (per cent)
	Manu- facturing	Non-manu- facturing	Total	
1984—				
17 February	8.9	35.4	44.3	0.9
18 May	8.1	26.7	34.8	0.7
17 August	6.9	30.7	37.6	0.8
16 November	7.5	32.3	39.8	0.8
1985—				
15 February	10.7	44.3	55.0	1.0
17 May	9.9	46.6	56.6	1.1
Standard error of estimates and of quarterly movements(b)				
	1.4	3.4	3.7	0.1

(a) For definitions see paragraphs 6 to 9. (b) Applicable to latest estimates. See paragraphs 10 to 13.

TABLE 2. JOB VACANCIES (a) : INDUSTRY  
( ' 000)

Industry	17 Feb. 1984	18 May 1984	17 Aug. 1984	16 Nov. 1984	15 Feb. 1985	17 May 1985	Standard error (b)
<i>Manufacturing—</i>							
Metal products, machinery and equipment	5.6	4.0	3.4	4.0	4.8	4.3	0.7
Other manufacturing	3.3	4.1	3.5	3.5	5.9	(d)5.6	1.2
Total manufacturing	8.9	8.1	6.9	7.5	10.7	9.9	1.4
Wholesale and retail trade	9.1	8.3	6.9	6.0	12.0	11.2	1.9
Transport and storage; communication	0.9	0.8	1.2	2.3	1.8	(d)2.5	0.5
Public administration; community services	10.8	9.2	10.0	12.4	13.0	14.7	1.5
Other(c)	14.7	8.4	12.7	11.6	17.5	18.2	2.4
<b>Total</b>	<b>44.3</b>	<b>34.8</b>	<b>37.6</b>	<b>39.8</b>	<b>55.0</b>	<b>56.6</b>	<b>3.7</b>

(a) For definitions see paragraphs 6 to 9. (b) Applicable to latest estimates of level and quarterly movements. See paragraphs 10 to 13. (c) Mining, Finance and business services, Recreation and personal services, Construction and Electricity, gas and water. (d) Relative standard error greater than 20 per cent but less than 30 per cent.

TABLE 3. JOB VACANCIES(a), STATES AND TERRITORIES

Survey date	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Australia
JOB VACANCIES ( <sup>000</sup> )									
<b>Total—</b>									
<b>1984—</b>									
17 February	19.6	10.1	(b)4.5	3.4	(b)3.7	1.2	0.5	1.3	44.3
18 May	14.7	8.9	4.0	2.5	(b)2.0	0.6	0.6	1.5	34.8
17 August	17.5	7.8	4.0	2.7	(b)2.9	0.8	0.6	1.2	37.6
16 November	14.9	11.2	4.3	2.2	(b)4.2	0.8	0.8	1.5	39.8
<b>1985—</b>									
15 February	19.5	14.4	6.8	(b)3.9	(b)5.6	1.1	1.3	2.3	55.0
17 May	22.3	16.8	4.7	(b)3.6	(b)4.3	1.2	1.1	2.5	56.6
Standard error(c)	2.7	2.0	0.7	0.8	0.9	0.1	0.2	0.3	3.7
<b>Manufacturing—</b>									
<b>1984—</b>									
17 February	(b)3.8	(b)3.1	(b)0.6	0.8	(b)0.5	*	—	*	8.9
18 May	(b)3.6	(b)2.9	(b)0.4	0.6	(b)0.4	*	—	—	8.1
17 August	(b)3.0	2.5	*	(b)0.5	*	—	—	—	6.9
16 November	(b)3.2	3.0	*	(b)0.5	(b)0.2	—	—	—	7.5
<b>1985—</b>									
15 February	(b)3.6	5.2	(b)0.4	(b)1.1	(b)0.2	*	*	(b)0.1	10.7
17 May	(b)3.6	(b)4.5	*	0.4	*	(b)0.1	*	*	9.9
<b>Non-manufacturing—</b>									
<b>1984—</b>									
17 February	15.8	(b)7.1	*	(b)2.6	(b)3.3	1.1	0.5	1.2	35.4
18 May	(b)11.1	(b)6.0	(b)3.6	1.9	(b)1.6	0.6	0.5	1.4	26.7
17 August	14.5	5.3	3.3	2.3	(b)2.8	0.8	0.6	1.2	30.7
16 November	(b)11.7	8.2	3.7	1.7	(b)4.0	0.7	0.8	1.4	32.3
<b>1985—</b>									
15 February	16.0	9.2	(b)6.3	*	(b)5.4	1.0	1.2	2.3	44.3
17 May	18.7	12.3	4.0	(b)3.1	(b)3.8	1.1	1.1	2.5	46.6
<b>Private—</b>									
<b>1984—</b>									
17 February	16.0	7.3	(b)3.1	(b)2.8	*	*	(b)0.2	(b)0.3	33.0
18 May	11.2	6.5	(b)2.8	(b)1.8	*	*	(b)0.4	(b)0.5	24.9
17 August	12.4	5.6	(b)2.8	(b)1.9	*	*	(b)0.3	(b)0.2	25.5
16 November	8.9	8.7	(b)2.9	(b)1.6	*	*	(b)0.5	(b)0.2	25.9
<b>1985—</b>									
15 February	12.9	11.5	(b)4.4	(b)3.3	*	*	(b)0.9	(b)1.0	38.2
17 May	16.8	13.5	(b)3.3	(b)3.1	(b)2.5	(b)0.5	(b)0.8	(b)1.0	41.6
<b>Government—</b>									
<b>1984—</b>									
17 February	3.7	2.9	1.4	(b)0.6	*	0.6	0.2	1.0	11.3
18 May	3.5	2.5	1.3	(b)0.6	*	0.4	0.2	1.0	9.9
17 August	5.1	2.2	1.3	(b)0.8	*	0.5	0.3	1.0	12.1
16 November	6.0	2.5	1.4	(b)0.6	*	0.5	0.3	1.3	13.9
<b>1985—</b>									
15 February	6.7	3.0	2.4	(b)0.7	*	0.6	0.5	1.3	16.8
17 May	5.5	3.3	1.4	0.5	*	0.7	0.3	1.5	15.0

(a) For definitions see paragraphs 6 to 9. (b) Relative standard error greater than 20 per cent but less than 30 per cent. (c) Applicable to latest estimates of level and quarterly movement. See paragraphs 10 to 13.

TABLE 4. JOB VACANCY RATES(a), STATES AND TERRITORIES

Survey date	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Australia
JOB VACANCY RATES (per cent)									
1984—									
17 February	(b)1.0	(b)0.8	*	(b)0.8	*	(b)0.9	*	(b)1.2	0.9
18 May	(b)0.8	(b)0.7	(b)0.5	(b)0.6	*	*	(b)1.1	(b)1.4	0.7
17 August	1.0	0.6	0.6	0.6	(b)0.7	0.7	1.3	1.2	0.8
16 November	*	0.8	0.6	0.5	(b)1.0	0.6	1.7	1.3	0.8
1985—									
15 February	1.0	1.0	0.9	(b)0.9	(b)1.2	0.8	2.8	2.1	1.0
17 May	1.2	1.2	0.6	(b)0.8	(b)1.0	0.9	2.3	2.3	1.1

(a) For definitions see paragraphs 6 to 9. (b) Relative standard error greater than 20 per cent but less than 30 per cent. See paragraphs 10 to 13.

TABLE 5. JOB VACANCIES: NUMBER AND PROPORTION REGISTERED WITH THE COMMONWEALTH EMPLOYMENT SERVICE, MAY 1984 AND 1985(a)

	Registered with CES in May					
	Total vacancies in May ( <sup>'000</sup> )		Number ( <sup>'000</sup> )		Proportion of total (per cent)	
	1984	1985	1984	1985	1984	1985
Private	24.9	41.6	10.5	14.6	42.2	35.1
Government	9.9	15.0	1.9	2.7	19.4	17.7
<b>Total</b>	<b>34.8</b>	<b>56.6</b>	<b>12.4</b>	<b>17.2</b>	<b>35.7</b>	<b>30.5</b>
Manufacturing—						
Metal products, machinery and equipment	4.0	4.3	1.9	2.2	48.5	51.4
Other manufacturing	4.1	5.6	1.7	3.0	41.0	53.9
<i>Total manufacturing</i>	<i>8.1</i>	<i>9.9</i>	<i>3.6</i>	<i>5.2</i>	<i>44.7</i>	<i>52.8</i>
Wholesale and retail trade	8.3	11.2	5.1	4.9	61.3	43.4
Transport and storage; communication	0.8	2.5	0.1	0.6	13.9	25.1
Public administration; community services	9.2	14.7	2.1	2.1	22.8	14.4
Other(b)	8.4	18.2	1.5	4.4	18.3	24.1

(a) For definitions see paragraphs 2 and 6 to 9. (b) Mining, Finance and business services, Recreation and personal services, Construction and Electricity, gas and water.